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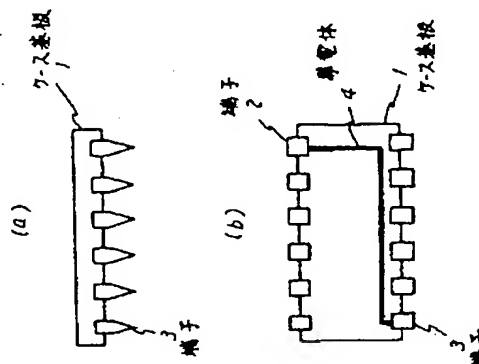
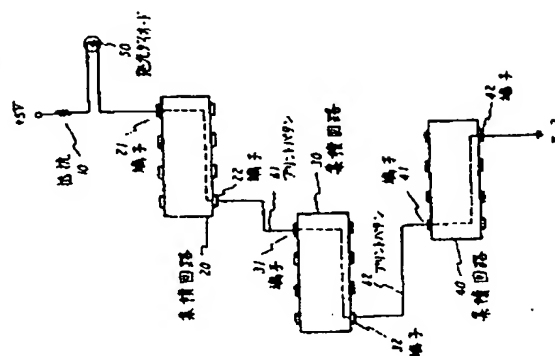
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TITLE : CASE OF INTEGRATED CIRCUIT



ABSTRACT : PURPOSE: To easily detect that an integrated circuit is not correctly connected or mounted on a printed circuit board, by a method wherein at least two terminals of the case of an integrated circuit are connected by using a conductor.

CONSTITUTION: A case circuit board 1 is made of ceramic or plastic board, terminals 2 and 3 are mounted in line, and the terminals 2 and 3 are connected by using a conductor 4. Therefore, the terminals 2 and 3 cannot be used as the terminals for connecting an electric circuit to be mounted on this case circuit board 1. Integrated circuits 20, 30, and 40 have the conductors shown with a broken line between the terminals 21 and 22, 31, and 32, and 41 and 42 respectively, the terminal 21 is applied the voltage of +5V through a LED 50 and a resistor 10, and the terminal 42 is grounded. If those integrated circuits 20, 30, and 40 are all correctly mounted on the printed circuit board, the LED 50 will light up by conducting current, whereas if any of the integrated circuits is not correctly mounted, the LED 50 will not light up by conducting no current, thereby making it possible to easily detect the failure.

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